

Darren Twant,

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TITLE: LIQUID DEVELOPER FOR ELECTROSTATIC PHOTOGRAPHY

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INVENTOR-INFORMATION:

NAME

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NAME

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COUNTRY

N/A

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ABSTRACT:

PURPOSE: To enhance the stability of dispersion, redispersibility and fixability of the liquid developer by dispersing the copolymer particles of a specific compsn. obtd. by copolymn. in the presence of a specific resin for stabilizing dispersion into a nonaq. solvent.

CONSTITUTION: This developer is produced by dispersing at least the resin particles in a prescribed nonaq. solvent. The particles are formed by copolymerizing a prescribed monofunctional monomer and a monofunctional macromonomer of $\leq 10^4$ number average mol. wt. formed by bonding the group of formula III only to the one terminal of the main chain of the polymer consisting of the unit of formula II in the presence of the resin for stabilizing dispersion which is formed by crosslinking a part of the

polymer

contg. the repeating unit of formula I and is soluble in the above-mentioned

solvent. In the formulas, T₁ denotes COO, OCO, etc.;

A₁

denotes 6 to 32C aliphatic group; a₁, a₂ denote H, halogen,

etc.; V₀ denotes O, S, etc.; Y₀ denotes H, 1 to 18C hydrocarbon;

X₁,

X₂ denote O, CO, etc.; R₁, R₂ denote 1 to 18C

hydrocarbon; b₁, b₂, d₁, d₂ denote H,

halogen, etc.; V₁ denotes O, COO, etc.; m, n, p denote integer.

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2 more ref.